Psychological Bulletin

LLOYD G. HUMPHREYS, Editor University of Illinois

FRANK A. LOGAN, Associate Editor University of New Mexico ROBERT D. WIRT, Associate Editor University of Minnesota

CONSULTING EDITORS

Dana Bramel
State University of New York
at Stony Brook

George Briggs
Ohio State University

WILLIAM E. BROEN, JR.
University of California
at Los Angeles

Tom N. Cornsweet Stanford Research Institute, Menlo Park, California

D. E. DULANY University of Illinois

WARD EDWARDS
University of Michigan

BERT GREEN
Carnegie Institute of Technology

DAVID M. GREEN University of California, San Diego

WILLIAM L. HAYS
University of Michigan

LYLE V. JONES
University of North Carolina

JEROME KAGAN Harvard University

GREGORY A. KIMBLE Duke University

HERSCHEL W. LEIBOWITZ

Pennsylvania State University KEITH SMITH

FREDERIC M. LORD

Educational Testing Service

DAVID T. LYKKEN
University of Minnesota

WILLIAM McGILL University of California, San Diego

WILLIAM J. McGuire Center for Advanced Study in the Behavioral Sciences, Stanford, California

Samuel Messick Educational Testing Service

BENNETT T. MURDOCK, JR. University of Toronto

WARREN T. NORMAN University of Michigan

FRANK RESTLE Indiana University

H. ENGER ROSVOLD

National Institute of
Mental Health

KEITH SMITH University of Michigan

PATRICIA CAIN SMITH Bowling Green State University

I. D. STEINER
University of Illinois

AUKE TELLEGEN
University of Minnesota

MILTON A. TRAPOLD University of Minnesota

LEONARD ULLMANN University of Illinois

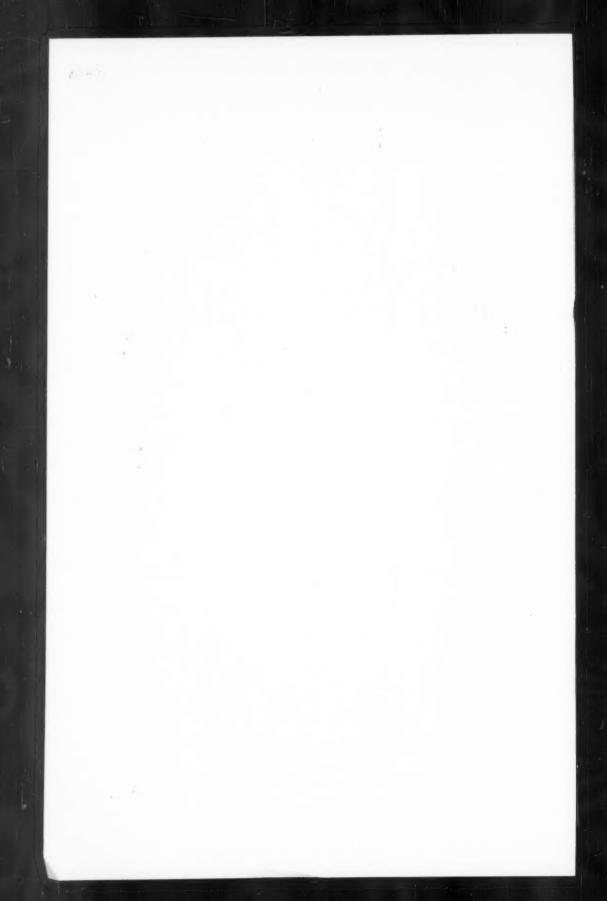
PHILIP G. ZIMBARDO New York University

VOLUME 67, 1967

HELEN ORR JOYCE ARDALE HENRY S. SALMON ROBERT D. GORMAN
Managing Editor Technical Editor Advertising and Business Manager Subscription Manager

PUBLISHED MONTHLY BY
THE AMERICAN PSYCHOLOGICAL ASSOCIATION, INC.
1200 SEVENTEENTH ST. N. W.
WASHINGTON, D. C. 20036

Copyright @ 1967 by the American Psychological Association, Inc.



AARONSON, DORIS. Temporal Factors in Perception and Short-Term Memory	130
ALF, EDWARD, AND ABRAHAMS, NORMAN M. Mixed Group Validation: A Critique COHEN, JACOB. An Alternative to Marascuilo's "Large-Sample Multiple Comparisons" for	443
Proportions Cusack, Julia. See Leib, J. W. Day, R. H., and Singer, G. Sensory Adaptation and Behavioral Compensation with Spa-	199
tially Transformed Vision and Hearing	307
DOUGLAS, ROBERT J. The Hippocampus and Behavior	416
EGETH, HOWARD. Selective Attention	41
EVANS, FREDERICK J. Suggestibility in the Normal Waking State	114
EVANS, SELBY H. Redundancy as a Variable in Pattern Perception	104
Fellows, Brian J. Chance Stimulus Sequences for Discrimination Tasks	87
Freeman, Robert B., Jr. Contrast Interpretation of Brightness Constancy	165
Fox, JACK. Social Desirability. Prediction Equation, Regression Equations, and Intrinsic	
Response Bias	391
GOLDBERG, LEWIS R. See HASE, HAROLD D.	
GOLDSTEIN, MYMON. A Method for Constructing Sequences in Contingent Discrimination	
Designs	346
HACKMAN, J. RICHARD, JONES, LAWRENCE E., AND MCGRATH, JOSEPH E. A Set of Dimen-	
sions for Describing the General Properties of Group-Generated Written Passages	379
HASE, HAROLD D., AND GOLDBERG, LEWIS R. Comparative Validity of Different Strategies of	
Constructing Personality Inventory Scales	231
Hershenson, Maurice. Development of the Perception of Form	326
Hughes, Deanna. See Leib, J. W.	
JONES, LAWRENCE E. See HACKMAN, J. RICHARD.	***
JONES, LYLE V. Invariance of Zero-Point Scaling over Changes in Stimulus Context KELMAN, HERBERT C. Human Use of Human Subjects: The Problem of Deception in Social	153
Psychological Experiments	1
KIMMEL, H. D. Instrumental Conditioning of Autonomically Mediated Behavior KINTZ, B. L. See Leib, J. W.	337
LEIB, J. W., CUSACK, JULIA, HUGHES, DEANNA, PILETTE, S., WERTHER, JACQUELINE, AND	
KINTZ, B. L. Teaching Machines and Programmed Instruction: Areas of Application	12
LESTER, DAVID. Experimental and Correlational Studies of the Fear of Death	27
LEVY, PHILIP. Substantive Significance of Significant Differences between Two Groups	37
LINN, ROBERT L. A Note on Mixed Group Validation	378
LOTT, DALE F. Secondary Reinforcement and Frustration: A Conceptual Paradox	197
LOWER, JERALD S. See WILSON, WARNER.	
MARASCUILO, LEONARD A., AND McSweeney, MARYELLEN. Nonparametric Post Hoc Compari-	
sons for Trend	401
MARX, MELVIN H. Analysis of the Spread of Effect: A Comparison of Thorndike and Nuttin	413
McGrath, Joseph E. See Hackman, J. Richard.	
McSweeney, Maryellen. See Marascuilo, Leonard A.	
MILLER, HOWARD L. See WILSON, WARNER.	
NATSOULAS, THOMAS. What Are Perceptual Reports About?	249
NORMAN, WARREN T. On Estimating Psychological Relationships: Social Desirability and	
Self-Report	273
PARTON, DAVID A., AND ROSS, ALAN O. A Reply to "The Use of Rate as a Measure of Re-	222
sponse in Studies of Social Reinforcement"	323
PILETTE, S. See Leib, J. W. PROKASY, WILLIAM F. Do D and H Multiply to Determine Performance in Human Condi-	
tioning?	368
RAZRAN, GREGORY. Wladimir von Dechterew is Wladimir von Bechterew: A Typographical	300
Error	227
REID, LARRY. Comment on "Grubo" Psychology	226

ROKEACH, MILTON. Authoritarianism Scales and Response Bias: Comment on Peabody's Paper	349
ROSENTHAL, ROBERT. Covert Communication in the Psychological Experiment	356
Ross, Alan O. See Parton, David A.	
SCHWARTZ, MARVIN. Physiological Psychology: Or Can a Science Over 95 Afford to be "Grubo"?	228
SINGER, G. See DAY, R. H.	
SMITH, MARILYN C. Theories of the Psychological Refractory Period	202
SOMMER, ROBERT. Small Group Ecology	145
WERTHER, JACQUELINE. See LEIB, J. W.	
WIEST, WILLIAM M. Some Recent Criticisms of Behaviorism and Learning Theory with	
Special Reference to Breger and McGaugh and to Chomsky	214
WILCOTT, R. C. Arousal Sweating and Electrodermal Phenomena	58
WILSON, WARNER. Correlates of Avowed Happiness	294
WILSON, WARNER, MILLER, HOWARD L., AND LOWER, JERALD S. Much Ado about the Null	
Hypothesis	188
YOUNG, RICHARD DAVID. Developmental Psychopharmacology: A Beginning	73

Psychological Bulletin

LLOYD G. HUMPHREYS, Editor University of Illinois

FRANK A. LOGAN, Associate Editor University of New Mexico

ROBERT D. WIRT, Associate Editor University of Minnesota

CONSULTING EDITORS

State University of New York at Stony Brook

GEORGE BRIGGS Ohio State University

WILLIAM E. BROEN, JR. University of California at Los Angeles

TOM N. CORNSWEET University of California, Berkeley

D. E. DULANY University of Illinois

WARD EDWARDS University of Michigan

BERT GREEN Carnegie Institute of Technology SAMUEL MESSICK

DAVID M. GREEN University of California, San Diego

WILLIAM L. HAYS University of Michigan LYLE V. JONES University of North Carolina

JEROME KAGAN Harvard University

GREGORY A. KIMBLE Duke University

HERSCHEL W. LEIBOWITZ Pennsylvania State University

FREDERIC M. LORD Educational Testing Service

DAVID T. LYKKEN University of Minnesota

WILLIAM McGILL University of California, San Diego

Educational Testing Service

BENNET B. MURDOCK, JR. University of Toronto

WARREN T. NORMAN University of Michigan FRANK RESTLE Indiana University

H. ENGER ROSVOLD National Institute of Mental Health

KEITH SMITH University of Michigan

PATRICIA CAIN SMITH Bowling Green State University

I. D. STEINER University of Illinois

AUKE TELLEGEN University of Minnesota

MILTON A. TRAPOLD University of Minnesota

LEONARD ULLMANN University of Illinois

B. J. WINER Purdue University

PHILIP G. ZIMBARDO New York University

VOLUME 68, 1967

HELEN ORR Managing Editor

JOYCE ARDALE Technical Editor

HENRY S. SALMON Advertising and Business Manager Subscription Manager

ROBERT D. GORMAN

PUBLISHED MONTHLY BY .

THE AMERICAN PSYCHOLOGICAL ASSOCIATION, INC. 1200 SEVENTEENTH ST. N. W.

WASHINGTON, D. C. 20036

Copyright @ 1967 by the American Psychological Association, Inc.

ACKNOWLEDGMENT

To the following persons who have aided in reaching decisions concerning manuscripts submitted for publication during the past year the Editor and Associate Editors extend their thanks and appreciation:

JACK A. ADAMS
University of Illinois

MARK APPELBAUM
University of North Carolina

RICHARD ATKINSON Stanford University

FRED ATTNEAVE University of Oregon

HERBERT BARRY
University of Pittsburgh

RALPH F. BERDIE University of Minnesota

EDWARD BILODEAU
Tulane University

PRIER F. BRIGGS University of Minnesota

Judson S. Brown
University of lowa

M. W. BROWNE Educational Testing Service

JAMES N. BUTCHER University of Minnesota

BYRON A. CAMPBELL Princeton University

E. J. CAPALDI University of Texas

Rosalind D. Cartwright University of Illinois Medical School

CHARLES N. COFER University of Maryland

ELLIOT CRAMER University of North Carolina

JAMES DEESE Johns Hopkins University

CARL P. DUNCAN Northwestern University

DAVID EHRENFREUND Southern Illinois University

EARL ELDERD
University of California,
Los Angeles
HENRY C. ELLIS

HENRY C. ELLIS

University of New Mexico

CHARLES W. ERIKSEN

University of Illinois

WILLIAM ESTES
Stanford University

Norman Geschwind Boston University Medical School

PAUL C. GOLDIN University of Minnesota

IRVING I. GOTTESMAN University of Minnesota

G. ROBERT GRICE University of Illinois WILLIAM GRINGS
University of Southern California

SEYMOUR Z. GROSS
Hennepin County Mental Health
Center, Minneapolis

MARIAN D. HALL University of Minnesota

GORDON T. HEISTAD University of Minnesota

J. E. HOCHBERG New York University

THOMAS R. HOLMAN Augsburg College

IRA ISCOR
University of Texas

HOWARD H. KENDLER University of California, Santa Barbara

GREGORY A. KIMBLE Duke University

JOHN LACKY
Fels Research Institute

CARL P. MALMQUIST University of Minnesota

Edwin J. Martin University of Michigan

WILLIAM J. McGuire University of California, San Diego

GERALD McCLEARN
University of Colorado

ROBERT A. McCleary University of Chicago

PAUL W. McREYNOLDS
Behavioral Research Laboratory,
Veterans Administration, Palo Alto

NORMAN MILLER University of Minnesota

SHIRLEY G. MOORE
University of Minnesota

CHARLES Y. NAKAMURA
University of California, Los Angeles

Donald Novin University of California, Los Angeles

ALLEN PARDUCCI University of California, Los Angeles

ROBERT E. PHILLIPS
University of Minnesota

JOHN M. RHODES
University of New Mexico

ALAN ROBERTS University of Minnesota

Burton Rosner University of Pennsylvania

WILLIAM W. ROZEBOOM University of Alberta WALLACE A. RUSSELL University of Minnesota

RUDOLPH W. SCHULZ University of Iowa

JEROME SCHWARTZBAUM
University of Wisconsin

FREDERICK D. SHEFFIELD Yale University

JANET SPENCE University of Texas

ALETHA STEIN Cornell University

LARRY STEIN
Wyeth Institute for Medical Research

ELIZABETH SULZER
Southern Illinois University

MAURICE M. TATSUOKA University of Illinois

E. PAUL TORRENCE University of Georgia

James E. Turnure University of Minnesota

Benton J. Underwood
Northwestern University

ELLIOT VALENSTEIN
Fels Research Institute

WILLIAM S. VERPLANCK
University of Tennessee
Norris D. Vestre

NORRIS D. VESTRE University of Minnesota

ALIAN R. WAGNER Yale University

J. M. WARREN Pennsylvania State University

KARL E. WEICK University of Minnesota

BENJAMIN WHITE
MIT Lincoln Laboratory

DELOS WICKENS
Ohio State University

EDWARD WIKE University of Kansas

DAVID R. WILLIAMS
University of Pennsylvania

C. L. WINDER
Michigan State University

PAUL J. WOODS Hollins College

John C. Wright University of Minnesota

DAVID ZEAMAN
University of Connecticut

Marvin Zuckerman Albert Einstein Medical Center, New York

AIKEN, EDWIN G., AND LAU, ALAN W. Response Prompting and Response Confirmation:	
A Review of Recent Literature	330
in the Psychological Bulletin, 1940-1966 Andrews, Thomas G., and Kerr, Frances E. Index of Literature Reviews and Summaries	213
in the Psychological Bulletin, 1940-1966	178
Bass, Bernard M. Social Behavior and the Orientation Inventory: A Review	260
BOOTH, DAVID A. Vertebrate Brain Ribonucleic Acids and Memory Retention	149
Brown, D. R., and Owen, D. H. The Metrics of Visual Form: Methodological Dyspepsia Campbell, Donald T., Siegman, Carole R., and Rees, Matilda B. Direction-of-Wording	243
Effects in the Relationships between Scales	293
CLIFF, NORMAN, AND HAMBURGER, CHARLES D. The Study of Sampling Errors in Factor	
"Analysis by Means of Artificial Experiments	430
COLE, SHERWOOD O. Experimental Effects of Amphetamine	81
COOPER, ELAINE H., AND PANTLE, ALAN J. The Total-Time Hypothesis in Verbal Learning	221
ELMS, ALAN C. Role Playing, Incentive, and Dissonance	132
Trust in the Communication Process	104
HAMBURGER, CHARLES D. See CLIFF, NORMAN.	
HARTER, M. RUSSELL. Excitability Cycles and Cortical Scanning: A Review of Two Hypotheses of Central Intermittency in Perception	47
HOLLANDER, EDWIN P., AND WILLIS, RICHARD H. Some Current Issues in the Psychology of Conformity and Nonconformity	62
Kerr, Frances E. See Andrews, Thomas G.	
KLEIN, DONALD F., AND CLEARY, T. ANNE. Platonic True Scores and Error in Psychiatric Rating Scales	77
LAFORGE, ROLFE. Confidence Intervals or Tests of Significance in Scientific Research?	446
LAU, ALAN W. See AIKEN, EDWIN G.	
LORD, FREDERIC M. A Paradox in the Interpretation of Group Comparisons	304
ternal Consistency of Q-Sort Arrays Owen, D. H. See Brown, D. R. Pantle, Alan J. See Cooper, Elaine H.	361
PEIZER, DAVID B. A Note on Directional Inference	448
PETERSON, CAMERON R., AND BEACH, LEE ROY. Man as an Intuitive Statistician	29
POLLACK, ROBERT H. Comment on "Is the Figural Aftereffect an Aftereffect?"	59
RHINE, RAMON J. Some Problems in Dissonance Theory Research on Information Selectivity SAMELSON, FRANZ, AND YATES, JACQUES F. Acquiescence and the F Scale: Old Assumptions	21
and New Data	91
SATTLER, JEROME M., AND THEYE, FRED. Procedural, Situational, and Interpersonal Variables	347
in Individual Intelligence Testing AUGSTAD, PER. Comments on the Article by David L. Wolitzky: "Effect of Food Depriva-	
tion on Perception-Cognition: A Comment" CCHUHAM, ANTHONY I. The Double-Bind Hypothesis a Decade Later	345 409
Research	306
SIEGEL, LILA CORKLAND. See SIEGEL, LAURENCE. SIEGMAN, CAROLE R. See CAMPBELL, DONALD T.	

STILL, A. W. Use of Orthogonal Polynomials with Nonparametric Tests	327
STRICKER, LAWRENCE J. The True Deceiver	13
SUBOSKI, MILTON D. The Analysis of Classical Discrimination Conditioning Experiments	235
Theye, Fred. See Sattler, Jerome M.	
WACHTEL, PAUL L. Conceptions of Broad and Narrow Attention	417
WOLFF, JOSEPH L. Concept-Shift and Discrimination-Reversal Learning in Humans	369
WOLITZKY, DAVID L. "Effect of Food Deprivation on Perception-Cognition": A Comment	342
WOODBURNE, LLOYD S. Partial Analysis of the Neural Elements in Posture and Locomotion	121
YATES, JACQUES F. See SAMELSON, FRANZ.	

